

CLAIMS

What is claimed is:

1. A non-pull cord operated blind structure, including a retaining box, a recoiling spring element, a movable member, a control button, and a cover wherein the retaining box is equipped with an engaging cavity concaved at one side thereof, a locating rod protruding at the center of the locating rod thereof, a recess of proper depth cut at the end of the locating rod thereon, grooved a hole defining the center of the locating rod thereof for a spring to be adapted therein, and two cord passage holes disposed at both lateral walls thereof for a retaining cord to be led there-through respectively; the recoiling spring element is provided with rebound elasticity, and the movable member is equipped with a pair of first and second recoiling grooves separately disposed at the outer periphery thereon, a limiting groove defining one lateral side thereof adjacent to a retaining chamber individually disposed at the other lateral side thereof, and a central through hole communicating both the limiting groove and the retaining chamber thereof; the limiting groove of the movable member has an engaging hook defined by two clearances cut at one lateral side thereon, and the retaining chamber thereof is provided with two opposite abutting blocks symmetrically protruding at the inner periphery of the opening edge thereon; the abutting block thereof has a tapered guide slope defining the inner lateral side thereon and an abutting facet disposed at one lateral end thereon; the control button is provided with a sleeve groove concaved at one side therein in match with the locating rod of the retaining box thereof, a step-wise press section protruding at the other side thereof, and a pair of opposite and

tapered locating guide plates symmetrically extending at the outer periphery thereon, each having a locating facet defining one lateral end thereon; the cover is provided with a button through hole disposed at the center thereon.

2. The non-pull cord operated blind structure as claimed in Claim 1 wherein the locating rod of the retaining box thereof has level facets cut at both lateral side of one end thereon.

3. The non-pull cord operated blind structure as claimed in Claim 1 wherein the engaging cavity of the retaining box thereof has a step-wise engaging seat disposed at the opening edge thereon.

4. The non-pull cord operated blind structure as claimed in Claim 1 wherein the recoiling spring element thereof is made up of an elastic plate wound up into an elastic spring coil.

5. The non-pull cord operated blind structure as claimed in Claim 1 wherein both ends of the recoiling spring element thereof are folded up into an inserting hook piece and a fixing piece to be fixedly attached to the engaging hook of the movable member and the recess of the locating rod of the retaining box respectively thereby.

6. The non-pull cord operated blind structure as claimed in Claim 1 wherein the present invention can also have a movable member equipped with a plurality of toothed edges defining the outer periphery thereon, and two recoiling gears having external toothed facets 81 disposed thereon in mesh with the toothed

edges of the movable member thereby; the two recoiling gears, adapted at both lateral sides of the movable members for the two retaining cords to be wound and gathered thereto, are activated by the two retaining cords stretched or released by the lower beam in the folding or unfolding operation of the blind thereof.